

**Amendments to the Claims:**

The following listing of claims replaces all prior versions and listings of claims in the application:

1-10. (Canceled)

11. (Currently amended) A method for isolating identifying a molecular mimetic of a unique epitope of *Neisseria meningitidis* serogroup B (MenB), said method comprising:

(a) providing a population library of molecules comprising a putative molecular mimetic of a unique epitope of MenB;

(b) contacting said population library of molecules with an isolated antibody directed against a immunologically reactive with an N-acyl-substituted Neisseria meningitidis serogroup B capsular polysaccharide derivative, wherein said antibody is not autoreactive with Neisseria meningitidis serogroup B capsular polysaccharide as determined by measuring the ability of said antibody to react with human neuroblastoma cell line CHP-134, under conditions that allow immunological binding between said antibody and said molecular mimetic, if present, to provide a complex; and

(c) separating the complexes complex from non-bound molecules; and

(d) identifying the molecular mimetic present in the complex.

12. (Currently amended) The method of claim 11 wherein said population library of molecules comprises a peptoid library.

13. (Currently amended) The method of claim 11 wherein said population library of molecules comprises a peptide library.

14. (Currently amended) The method of claim 11 wherein said population library of molecules comprises a phage-display library.

15-34. (Canceled)